

# FY98-99 IT PROJECT PROFILES

The following project profile table provides details about various FY98-99 IT projects. The information furnished includes:

- platform type,
- implementation schedules,
- emerging technologies used,
- new project resources and associated costs,
- ▲ statutory changes, and
- ▲ public access.

Those agencies and universities able to provide such detail about their FY98-99 IT

projects are listed **alphabetically** within the table, with each organization followed by its project profiles.

# <u>Please note that information for a particular project reads horizontally across two pages.</u>

- ▲ The headings on all *left-hand* pages are: Project Description, Emerging Technology, and Project Type.
- ▲ The headings on all **right-hand** pages are: New Hardware, New Software, Telecommunications Impact, New FTEs, Statutory Changes, and Allows Public Access.

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		J	Access?

## DEPARTMENT OF ADMINISTRATION

Reengineer to the threestate's "lega	PROJECT 1 — MT PRIME is the acronym for the Montana Project to Reengineer the Information Management Environment. The purpose of the three-phase project is to update, integrate, and enhance the state 's "legacy " systems — SBAS, Warrant Writing System, PPP, PAMS and the procurement system.  Platform Type  Implementation Schedule							Too early to identify, but chosen solutions will likely support EDI and EBT.	Application Development  Hardware  Software	X		
Platform Typ	oe .		Impleme	entation S	Schedule	;					Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	F	Y00	FY	01		Training	
Unknown											Other	Х
PROJECT 2 Retirement S		Work Fl	ow Implei	mentatio	n for Tea	che	rs'			Imaging and computer telephony integration (CTI).	Application Development	X
											Hardware	
											Software	
Platform Typ	oe .		Impleme	entation S	Schedule	<b>;</b>					Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	F	Y00	FY	01		Training	
	X	X									Other	
PROJECT 3 computerize account reco deposits, tra	operations onciliation; i	in the S nanual	tate Treas calculatio	surer's O	office, inc	lud	ing ba	ınk		Possibly EDI, EBT, and imaging.	Application Development	X
											Hardware	
											Software	
Platform Typ	oe .		Impleme	entation S	Schedule	;					Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	F	Y00	FY	01		Training	
	X										Other	

D	Г .	D
Project	Emerging	Project
Description	Technology	Type

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		<u> </u>	Access?

Phase I (and II) will address necessary hardware.	Phase I will identify four options: do nothing; sys- tem enhancement or re- write; or buy a package.	MT PRIME has the poten- tial for significant telecommunications impact.	Unknow n	Perhaps. These will be detailed during Phases I and II.	It is likely that public access to procure-ment information will be improved.
Estimated Project Costs (ir	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
			ī		
High-speed scanner; Pentium workstation/21" monitor; 17" monitors for PCs; disk drive storage; CD-ROM tower.	Windows-based document imaging and retrieval software pkg./relational database for a midtier.	TRS bldg. is being rewired for 16 MB or higher token-ring speed for image retrieval/storage.	None (1 FTE shared)	N/A	Public info. documents will be printed on demand; private info. will be masked.
Estimated Project Costs (ir	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
\$35,000	\$40,000	\$3,000		\$4,400	\$82,400
Workstations (to be purchased FY97).	Oracle.	Two or three new data connections (to be imple-mented FY97).	None	Unknown at this time.	N/A
Estimated Project Costs (ir	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
Unknown	Unknown	\$10,000	Unknow n	\$500	

#### DEPARTMENT OF AGRICULTURE

<b>PROJECT 1</b> minimum st	<b>ROJECT 1</b> — Continue upgrade of computer hardware to the nimum state standard for a desktop operating system.								Application Development	
									Hardware	X
									Software	X
Platform Typ	oe .		Implem	nentation :	Schedule				Networking	X
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
		X							Other	
<b>PROJECT 2</b> application of	— Begin the	e systen cle.	ns analys	sis for the	rewrite o	of existing	<b>§</b>	All applications will be considered with enterprise implications for the department.	Application Development	X
									Hardware	
									Software	Х
Platform Typ	oe .		Implem	nentation :	Schedule				Networking	X
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
	X	X							Other	
<b>PROJECT 3</b> standard.	— Conversi	on of th	e deskto	p operatir	ng system	n to the st	ate	None	Application Development	
									Hardware	
									Software	X
Platform Typ	oe		Implem	entation :	Schedule			]	Networking	Х
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
		Х							Other	

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact			Access?

<b>PROJECT 4</b> — Replacement of all field-office computer equipment. Installation of state-standard operating system and application software.							None	Application Development		
									Hardware	Х
									Software	X
Platform Typ	ре		Impleme	entation S	Schedule				Networking	X
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY99 FY00 FY01			Training	
		X							Other	

The state standard PC is a Pentium desktop computer.	DOS 6.2; Windows 3.11; NetWare 4.X to support the state standard software.	None	None	None	N/A
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
\$223,000	\$14,000				\$237,000
The system will be supported by a dedicated Oracle database server.	Oracle Developer 2000 across the NetWare 4.X, in a Windows environment.	None	1 (or through contract	None	If so, possible access to the state intranet and the Internet will be considered.
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
\$40,000	\$5,100	\$80,628		\$11,000	\$136,728
The state minimum standard.	Whatever is the state standard operating system at the time.	None	None	None	N/A
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
	\$17,800				\$17,800
The state standard PC is a Pentium desktop computer.	DOS 6.2, Windows 3.11, and NetWare 4.X to support the state standard software.	None	None	None	N/A
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL

New New Telecommunicat New St	New
Hardware Software ion FTEs C	Hardware

\$48,000 \$4,400		\$4,000	\$56,400
------------------	--	---------	----------

<b>PROJECT 5</b> imaging syst	<b>PROJECT 5</b> — Begin an evaluation process regarding developing an imaging system for the department.						None	Application Development		
									Hardware	Х
									Software	X
Platform Typ	oe .		Implem	entation S	Schedule				Networking	X
Mainframe	Mid-Tier	PC	FY97	FY98 FY99 FY00 FY01			Training			
		X							Other	

Project	Emerging	Project
Description	Technology	Type

The state standard PC is a Pentium desktop computer.	DOS 6.2, Windows 3.11, and NetWare 4.X to support the state standard software.	None	None	None	N/A	
Estimated Project Costs (ir	n dollars)					
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL	

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		J	Access?

## DEPARTMENT OF CORRECTIONS

of a number the informat	<b>ROJECT 1</b> — ACIS enhancements are planned to include the addition a number of modules that will improve the quality and timeliness of e information the department is able to provide the legislature, her state or local entities, contractors, the public, and internal staff.								Application Development	X
									Hardware	
									Software	
Platform Typ	oe .		Impleme	entation S	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY97 FY98 FY99 FY00 FY01					Training	
	X	X							Other	
include the land the regionstate Prison activities at	District Probonal prisons and Pine H	oation ai s. A cam ills Scho	nd Parole ipus LAN	Offices, is plann	the new l ed for the	oot cam Montan	p,	None	Application Development	
									Hardware	
									Software	
Platform Тур	oe .		Impleme	entation S	Schedule				Networking	X
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
		X							Other	
<b>PROJECT 3</b> software need Oracle as its infrastructur technology.	eded to begir database, S	n to imp Summit!	lement st Vet as its	ate stand	dards, inc nications	cluding		None	Application Development	
									Hardware	X
									Software	Х
Platform Typ	oe		Impleme	entation S	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	Х
	Х	X							Other	

Optical storage for existing AS/400, optical scanning equip., bar code reading equip., and digital cameras.	Third-party software for imaging, document mgt., and digital fingerprinting; new ACIS module.	Data requirements for increased on-line communications; imaging may impact network bandwidth.	1 (Grade 16 proj. man- ager)	None	Will increase access to information.					
Estimated Project Costs (in	Estimated Project Costs (in dollars)									
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL					
\$684,777	\$391,500	\$610,000	\$98,532	\$135,000	\$1,970,729 A					
Desktop PCs, network file servers, shared printers.	Novell NetWare.	Connectivity for offices; may impact network bandwidth requirements.	7.5 (4.5 directly assoc.)	None	Will increase access to information.					
Estimated Project Costs (in	n dollars)									
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL					
\$756,534	\$42,630	\$0	\$626,12 6	Inc. in Project	\$2,018,958 B					
4 developers workstations, 2 Oracle database file servers.	5 Oracle CDE 2000 developer licenses (one would be installed on an existing PC).	None	None	None	N/A					
Estimated Project Costs (in	n dollars)									
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL					
\$76,248	\$10,000	\$0	\$0	\$12,500	\$98,748					

 $<sup>^{\</sup>rm A}\,$  This total includes \$50,920 for assistance to the Pre-Release Center and Regional Prisons.

<sup>&</sup>lt;sup>B</sup> This total includes \$376,500 for cabling costs at Montana State Prison, the Boot Camp, and Pine Hills School; \$199,152 for ISD connectivity charges; \$10,016 for telephone charges (modems); and \$8,000 for furniture.

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		Ö	Access?

## DEPARTMENT OF ENVIRONMENTAL QUALITY (DEQ)

PROJECT 1 and Window (depending of software, se	rs 95 are bei on funding a	ing cons availabil	idered ity) wi	d. TÌ ill in	his three volve up	e- to four grading v	-year proj	ject	32-bit operating system with Unix/NetWare capabilities.	Application Development	
										Hardware	
										Software	Х
Platform Typ	oe		Impl	leme	ntation :	Schedule				Networking	
Mainframe	Mid-Tier	PC	PC FY97 FY98 FY99 FY00 FY01		FY97 FY98 FY99 FY00 FY01			Training			
		Х								Other	
PROJECT 2 — Database coordination. The DEQ 's Information Services Bureau (ISB) plans to coordinate the several databases in the department and develop plans and procedures to convert these systems to Oracle. This project also includes training for department programmer/analysts.  Platform Type Implementation Schedule  Mainframe Mid-Tier PC FY97 FY98 FY99 FY00 FY01  X X								nt	Client/server; Unix/NetWare, data coll., remote dial-in, optical disk storage, db replication.	Application Development  Hardware  Software  Networking  Training  Other	X
<b>PROJECT 3</b> increased In Internet e-m	ternet servi	ces in D	EQ, w	hich	is curr	ently pro	viding		Inter/Intranet, EDI, document management, data collection systems, etc.	Application Development  Hardware  Software	
		Platform Type Implementation Schedule									1
Platform Typ	pe		Impl	leme	ntation :	Schedule				Networking	
Platform Typ	oe Mid-Tier	PC	Impl FY9	Ī	ntation FY98	Schedule FY99	FY00	FY01		Networking Training	

Upgrades to existing servers (disk storage arrays and increased memory); also inc. dedicated servers.	Unknown at this time.	New data requirements will be internal to DEQ and will involve increased server disk storage.	None	None	May provide enhanced capabili- ties toward more public access.				
Estimated Project Costs (in dollars)									
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL				
\$96,000	\$219,450	\$179,000	\$0	\$48,000	\$590,450 <sup>C</sup>				
Using existing DEC ALPHA (Unix) server as the primary database server; Novell Net-Ware server for dev./testing.	Oracle database engine & dev. toolsets; DEC Unix operating system; various programs, languages, etc.	A voice and modem line plus a data jack/line for new FTE; possible increased SummitNet use.	1	None	Will increase access to information.				
Estimated Project Costs (in	n dollars)								
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL				
\$11,795	\$16,400	\$157,522	\$154,38 1	\$70,060	\$410,158				
Depends on which approach is used and which outside services providers are selected.	Contemplating WWW services software.	Increased traffic on the DEQ LAN, capitol- complex backbone, and Internet network.	None	None	Will increase public access to info. and provide a means for file transfer.				
Estimated Project Costs (in	n dollars)								
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL				
		\$50,000			\$50,000				

Emerging Technology

 $<sup>^{\</sup>rm C}\,$  This total includes \$48,000 for supplies and materials.

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		o o	Access?

## DEPARTMENT OF FISH, WILDLIFE AND PARKS (FWP)

PROJECT 1 project woul statewide. ( database int efforts.	ld put point- Online captu	of-sale t are of da	echnolog ta should	y in all ag I allow fo		Point-of-sale, EFT, LAN dial- up, multimedia kiosks, and proto-col gateways.	EFT, LAN dial- ap, multimedia ciosks, and oroto-col			
									Hardware	Х
									Software	X
Platform Typ	Platform Type Implementation Schedule								Networking	X
Mainframe	Mid-Tier	PC	FY97	Y97 FY98 FY99 FY00 FY01					Training	X
Unknown									Other	
PROJECT 2 area offices. for access to Internet.	Enhanced 1	networki	ng is exp	ected to	utilize Su	ımmitNet		Full SummitNet implementation.	Application Development	
									Hardware	Х
									Software	Х
Platform Typ	ре		Impleme	entation S	Schedule				Networking	X
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	X
		X							Other	

<sup>&</sup>lt;sup>D</sup> This total includes the following estimates: \$1,124,000 for communication and \$2,090,000 for system support.

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		J	Access?

## GOVERNOR'S OFFICE

PROJECT 1 Integrated B current bien until after J plan for a de	Budget Syste Inium, but t uly 1, 1997	em (MIBS hree ma (next bi	S). This p jor portio ennium).	oroject wa ns will n		The state's first enterprise-wide Oracle appli- cation.	Application Development	X		
						Hardware				
							Software			
Platform Type Implementation Schedule								Networking		
Mainframe	nframe Mid-Tier PC FY97 FY98 FY99 FY00 FY01					FY01		Training		
	x x								Other	
MIBS will ne design was s With experie	PROJECT 2 — Continue development of MIBS. We anticipate that MIBS will need modifications to make it work better; the present design was set at a minimal level to achieve rapid implementation. With experience with this new system, and as other state systems are modified, MIBS modifications will be made.						re	The state's first enterprise-wide Oracle appli- cation.	Application Development	X
									Hardware Software	
Platform Typ	pe		Impleme	entation S	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
	Х	Х							Other	

The database is the first large application on ISD's new Unix mid-tier database server.	Oracle tables and forms.	N/A	None	None	Dial-up access to summary-level budgetary informa- tion.				
Estimated Project Costs (in	Estimated Project Costs (in dollars)								
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL				
\$160,000		\$100,000			\$260,000				
The database is the first large application on ISD's new Unix mid-tier database server.	Oracle tables and forms.	N/A	None	None	Dial-up access to summary-level budgetary informa- tion.				
Estimated Project Costs (in dollars)									
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL				
					Inc. in Project 1 costs.				

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion		Changes	Public
		Impact		o o	Access?

## MONTANA HISTORICAL SOCIETY

<b>PROJECT 1</b> more than ju all of these of databases, I	ust a word p computers to	rocessor o give us	r. This p sers the	Dial-in access to LANs, and wireless LANs.	Application Development					
									Hardware	X
									Software	
Platform Typ	oe .		Implem	entation S	Schedule				Networking	X
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	X
	X	X							Other	
<b>PROJECT 2</b> sophisticate browse titles	d and intera	ctive we	eb site th	at will all	ow indivi	duals to	)		Application Development	X
									Hardware	
									Software	
Platform Typ	oe .		Implen	entation S	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
	X	X							Other	
project 3 cataloging so efficient serv Archives and basis through	ervice) for the rice and accord Archives a	e Librar ess not o s well. 7	ry progra only to t This ser	ım. This v he library	would pro but to Pl	ovide mor noto	·e		Application Development	
		v							Hardware	
									Software	X
Platform Typ	oe e		Implen	Implementation Schedule					Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
	X	X							Other	
Museum Program. The Museum collections are currently cataloged							Document management and data collection systems.	Application Development		

Project	Emerging	Project
Description	Technology	Type

Platform Typ	oe .		Implem	entation S	Schedule		
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01
	Х	X					

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		Ü	Access?

Will include larger file servers, high-end graphics PCs, drum scanners, touch screens, gateways, etc.	Most projects will involve large database applica-tions that can migrate to an on-line platform.	Installation of voice and data jacks throughout the Society.	None	None	Internet access.
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
\$155,000	\$27,000	\$40,000	\$0	\$15,000	\$237 k for all 5 proj.
Will include larger file servers, high-end graphics PCs, drum scanners, touch screens, gateways, etc.	Most projects will involve large database applica-tions that can migrate to an on-line platform.		None	None	Internet access.
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
\$155,000	\$27,000	\$40,000	\$0	\$15,000	\$237 k for all 5 proj.
Will include larger file servers, high-end graphics PCs, drum scanners, touch screens, gateways, etc.	Most projects will involve large database applica-tions that can migrate to an on-line platform.		None	None	Internet access.
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
\$155,000	\$27,000	\$40,000	\$0	\$15,000	\$237 k for all 5 proj.
Will include larger file servers, high-end graphics PCs, drum scanners, touch screens, gateways, etc.	Most projects will involve large database applica-tions that can migrate to an on-line platform.		None	None	Internet access.

Project	Emerging	Project
Description	Technology	Type

Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
\$155,000	\$27,000	\$40,000	\$0	\$15,000	\$237 k for all 5 proj.

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact			Access?

<b>PROJECT 5</b> — Adopt scanning methods and CD storage for collections such as Photos. This will enable the public to review and research the entire collection more quickly and efficiently, while not harming the original artifact.								Imaging.	Application Development	
									Hardware	Х
									Software	
Platform Type Implementation Schedule							Networking			
Mainframe	Mid-Tier	PC	FY97 FY98 FY99 FY00 FY01				FY01		Training	
	X X							Other		

Project	Emerging	Project
Description	Technology	Type

Will include larger file servers, high-end graphics PCs, drum scanners, touch screens, gateways, etc.	Most projects will involve large database applica-tions that can migrate to an on-line platform.		None	None	Internet access.
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
\$155,000	\$27,000	\$40,000	\$0	\$15,000	\$237 k for all 5 proj.

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		Ö	Access?

## DEPARTMENT OF LABOR AND INDUSTRY (DLI)

PROJECT 1 Benefit Acco			replace th	e Unemp	e	Unknown at this time since the design has not been determined.	Application Development	X		
									Hardware	
									Software	
Platform Typ	ре		Impleme	entation S	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
X									Other	
<b>PROJECT 2</b> technology a the application	nd, as Sum	mitNet g	grows, tes					Client/server technology.	Application Development	X
									Hardware	
									Software	
Platform Typ	ре		Impleme	entation S	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
	X								Other	
PROJECT 3 technol-ogy, DOA to redu to reduce du information	Oracle, and ace redundar aplication of	l the ma ncy and data thi	inframe. to ensur roughout	Commu e data in	nicate wit tegrity. T	th DOT a The goal is	nd s	Client/server technology.	Application Development	X
									Hardware	
									Software	
Platform Typ	oe .		Impleme	entation S	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
	X								Other	
<b>PROJECT 4</b> legal actions procedures, thereby mov	using conti ensure info	racted re rmation	esources. is routed	This will correctly	ll automa	te		Client/server technology.	Application Development	X

	De	Projec escript					Eme Techn	rging nology	Project Type		
										_	
									Hardware		
									Software		
Platform Ty	ре		Impleme	entation :	Schedule				Networking		
1		1	1	1	1	1	1	ı	· · · · · · · · · · · · · · · · · · ·		1 -

Training

Other

PC FY97 FY98 FY99 FY00 FY01

Mainframe Mid-Tier

X

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact			Access?

N/A	N/A	N/A	None	None	None
Estimated Project Costs	s (in dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
		\$4,000,000			\$4,000,000
N/A	N/A	N/A	None	None	None
Estimated Project Costs	s (in dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
					Unavailable
N/A	N/A	N/A	None	None	None
Estimated Project Costs	in dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
					Unavailable
N/A	N/A	N/A	None	None	None
Estimated Project Costs	in dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
					Unavailable

Other

## LEGISLATIVE BRANCH (except the Montana Consumer Council)

<b>PROJECT 1</b> will automat with bill and status; bill in preparation;	te, integrate l amendmer ntroduction	, and str nt draftir ; commi	eamline s ng; bill an ttee supp	Document management, SGML as the document markup, client/server, workflow.	Application Development	X				
					Hardware					
					Software					
Platform Typ	oe		Impleme	ntation S	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
	X								Other	
PROJECT 2 (billing, according publication to consolidate standate)	ounting, pay distribution te them into	roll, invo , etc.). A one sys	entory, pu rewrite o stem and	ırchasing f these s to bring t	g, trainin ystems is them up	g, s necessa	ry	Oracle Designer/ Developer 2000.	Application Development	X
									Hardware Software	
Platform Typ	latform Type Implementation Schedule								Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	

X

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact			Access?

Windows NT or Unix server; plan to lease these services from ISD. Windows PCs as the client.	RFP out now. Probably an Oracle database with Powerbuilder or Oracle front end; WP text edit.	More traffic between capi- tol bldg./ISD. Upgrade 4-MB token ring in capitol bldg. Internet access.	None	None	System data on Internet. Few work-stations in capitol bldg. for public use.
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
		\$500,000			\$640,000 E
	T	T	ı	ı	
Will use existing network and PCs in branch and lease Oracle server services from ISD.	Oracle Designer/ Developer 2000.	More traffic between capi- tol bldg./ISD to access leased server. Upgrade 4-MB token ring in capitol.	None	None	None
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
		\$90,000			\$105,000 F

 $<sup>^{\</sup>rm E}\,$  This total includes \$120,000 for ISD server services and \$20,000 for Web server services.

 $<sup>^{\</sup>rm F}~$  This total includes \$15,000 for ISD server services.

#### DEPARTMENT OF LIVESTOCK

DEI III	IVILINI	OI L								
<b>PROJECT 1</b> using the ensystems will	iterprise sta	ndard d	latabase s	software (	Oracle. E	Existing		N/A	Application Development	Х
									Hardware	
									Software	
Platform Typ	ре		Implem	entation :	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
		X							Other	
<b>PROJECT 2</b> to ensure the turn of t	at systems	00. Impl will cont	lement th	ne year 20 perate as	000 comp	liance pla l through	an	N/A	Application Development	X
									Hardware	
									Software	
Platform Typ	pe		Implem	entation :	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
		X							Other	
<b>PROJECT 3</b> marks and belectronic condetermine if increase effi	orands in 20 ommerce, ar they would	001. Ne nd Interi be appr	w techno net web s copriate, p	logies, su ites, will	ch as ba be studie	r coding, ed to	of	Possibly bar coding, scanning, EC, Internet, and voice/data integration.	Application Development	X
									Hardware	Х
									Software	X
Platform Typ	pe		Implem	entation :	Schedule				Networking	
	16.15	D.C.	EWO	FY98	EVOO	EVOO	FY01	7	Training	
Mainframe	Mid-Tier	PC	FY97	F196	FY99	FY00	FIUI		Training	

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		Ü	Access?

to allow emp	<b>PROJECT 4</b> — Remote users. Install necessary hardware and software to allow employees secure access to local-area networks from remote sites. Prepare a plan to include mobile users in the next biennium.								Application Development	
									Hardware	X
									Software	X
Platform Typ	oe .		Impleme	entation S	Schedule				Networking	X
Mainframe	Mainframe Mid-Tier PC FY97 FY98 FY99 FY00 FY01								Training	X
		X				Other				

	T		I	1								
An Oracle server and client are required to meet memory, hard disk space, processor, and OS specifications.	Oracle.	A new server will be attached to the network.	None	N/A	N/A							
Estimated Project Costs (in dollars)												
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL							
\$15,000	\$2,500			\$6,000	\$23,500							
N/A	N/A	N/A	None	N/A	N/A							
Estimated Project Costs (in	n dollars)											
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL							
This project will identify the new system hardware required.	PC platform: Oracle interface for the account-ing portion. MF system: some changes in COBOL.	Methods to link voice and data will be studied for new ways to handle the phone- call volume.	None	N/A	Public access to summary info. re-garding the overall rerecord process.							
Estimated Project Costs (in	n dollars)											
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL							
New hardware installed	New LAN software will	New phone lines will	None	N/A	N/A							
on the LAN to handle incoming calls from remote users with modems on their PCs.	handle incoming proto-cols; remote users will need new PC software.	be installed and a new connection to the network.	None	N/A	N/A							
Estimated Project Costs (in	n dollars)											
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL							
\$3,500	\$1,000				\$4,500							

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact			Access?

<b>PROJECT 5</b> — Desktop upgrade. Upgrade desktop operating systems and software to new state standards.							N/A	Application Development		
								Hardware		
									Software	X
Platform Type Implementation Schedule							Networking			
Mainframe Mid-Tier PC FY97 FY98 FY99 FY00 FY01					Training	X				
		X							Other	

Project	Emerging	Project
Description	Technology	Type

Requirements will depend on the state's future software standards.	The state's future software standard will be deter-mined by ITAC and ITMG.	N/A	None	N/A	N/A
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
	\$24,000				\$24,000

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact			Access?

## DEPARTMENT OF MILITARY AFFAIRS

PROJECT 1	— Tie the s	tate LAN	I to the fe	deral LA	N.			Application Development
								Hardware
								Software
Platform Typ	oe .		Impleme	entation S	Schedule			Networking
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01	Training
		X						Other
<b>PROJECT 2</b> capability fo and databas recovery.	r the state e	mergen	cy operat	ion cente	r. Includ	les softwa	are	Application Development
								Hardware
								Software
Platform Typ	oe .		Impleme	entation S	Schedule			Networking
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01	Training
		X						Other

LAN server enhancement.									
Estimated Project Costs (in	n dollars)								
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL				
\$60,000		\$30,000		\$4,000	\$94,000				
	Γ			Γ					
Large-screen projection system.	EIS; GIS software (ARCVIEW); database software.								
Estimated Project Costs (in dollars)									
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL				
					Inc. in Project 1 costs.				

New Hardware Software Telecommunicat New Statutory Allows FTEs Changes Public Access?

## DEPARTMENT OF NATURAL RESOURCES AND CONSERVATION (DNRC)

PROJECT 1 Helena DNR executive re Department software on	C offices to organization of State Lar	a single brough nds. Thi	mul t tog is pre	ti-u eth ojec	ser : er tl et inv	systen ne old volves	n. DN	In 1 IRC	990 an	6, d th	ne				None	Application Development  Hardware  Software	X
Platform Typ	oe e		Imp	len	nent	ation S	Scł	nedu	ıle							Networking	X
Mainframe	Mid-Tier	PC	FY	97	F	7Y98	F	7Y99	9	FY	700	0	FY	01		Training	
	X															Other	
PROJECT 2 DNRC plans Water Right ad hoc quer the public th	to migrate to s system to ying capabil	the Trus an Orac ities and	st Lai le da d to l	nds itab oe a	Man ase able	nagem to tak to offe	en e a	t sy .dva	stei nta	m a	nd of S	l the SQI			Oracle database access will be through Summit-Net with links to the Internet; also dial-in capability.	Application Development  Hardware	X
Dl-+C T			T	1		-41	T . 1.	1.	.1.						-	Software	
Platform Typ		PC			T	ation S	Π		T	EX	700		EM	0.1	-	Networking	
Mainframe	Mid-Tier X	PC	FI	97		7Y98	1	FY99	9	FI	700 		FY	101		Training Other	
	Λ										<u> </u>					Other	
PROJECT 3 SummitNet to its field of With Summ those field of	deploys, DN fices with th itNet, DNRC	RC plan neir Haz	s to ard I	offe Red	er dis uctio	stribut on Agr	ted eei	dat mer	a p	roc yste	ess em	sing			Using SummitNet as the communications medium for distributed data processing.	Application Development	X
																Hardware	
																Software	
Platform Typ	oe		Imp	olen	nent	ation \$	Scł	nedu	ıle							Networking	X
Mainframe	Mid-Tier	PC	FY	97	F	7Y98	I	7Y9	9	FY	700	0	FY	01		Training	
	X	X														Other	

A new Novell server will be required at the New York Store DNRC offices.	Perhaps some database software for development and access of migrated software systems.	None	1 (tem- porary; for a year or two)	None	No
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
\$28,000	\$5,000	\$0	\$68,000	\$0	\$101,000
An Oracle server. May be able to use ISD's DEC Alpha server.	Oracle database and Oracle Forms for the user interface; HTML pkg. for home-page development.	Will require statewide access to these DNRC systems for both public and agency use.	None	None	Public on-line access to agency data through SummitNet/ Internet.
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
\$0	\$0	\$1,000,000	\$0	\$0	\$1,000,000
SummitNet-access hardware in field offices where timber harvest management is applicable.	Oracle database for the system. Front- end soft-ware, at field offices, for data inquiry and update.	High-speed data communications between field offices and the Hazard Reduction host site.	None	None	No
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
\$0	\$10,000	\$100,000	\$0	\$0	\$110,000

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact			Access?

# OFFICE OF PUBLIC INSTRUCTION (OPI)

						· /				
PROJECT 1 the MAEFAI		the resp	oonsibility	y of maint	caining a	nd enhan	cing	EDI; electronic forms on the METNET BBS.	Application Development	X
									Hardware	
									Software	
Platform Typ	oe		Implem	entation S	Schedule			Ī	Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
		X							Other	
PROJECT 2	! — Rewrite o	of federa	al accoun	ting syste	em.			Electronic forms for the METNET BBS; application links with systems to reduce required reporting by OPI.	Application Development	X
									Hardware	
									Software	
Platform Typ	oe		Implem	entation S	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
		X							Other	
<b>PROJECT 3</b> programmin	— Redesigr g standards	of Codes and re	ebook an usable co	d implem de.	entation	of		This project will aid in EDI between applications.	Application Development	X
									Hardware	
									Software	
Platform Typ	oe		Implem	entation S	Schedule				Networking	
Mainframe	Mainframe Mid-Tier PC			FY98	FY99	FY00	FY01		Training	
		Х							Other	

Project	Emerging	Project
Description	Technology	Type

PROJECT 4 As part of th Legislature, schools with integration of	ne School Im OPI has req n technology	provemous uested f plannin	ent Progr unds to j g assista	Increase access to METNET and expand person- to-person video systems in K-12 schools and univ.	Application Development					
									Hardware	
									Software	
Platform Typ	ре		Implem	entation S	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY01		Training			
		X		1	Other	Х				

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact			Access?

Already existing, in place, and functional.	The software will be developed by OPI staff.	Additional lines to METNET.	1 program -mer	May make MAE-FAIRS mandatory for district report- ing.	MAEFAIRS info. will be put on METNET for electronic public access.
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
			\$189,50 0		\$189,500
N/A	The software will be the end result of this project.	This project should reduce the amount of data col-lected and disseminated.	None (Maybe a contrac- tor)	N/A	Info. from this application will be put on METNET for elec. public access.
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
		\$195,000		\$25,000	\$220,000
Already existing, in place, and functional.	The software will be the end result of this project.	A new dataset will be created that will bridge automatically to the old datasets.	None (db adminis - trator maybe)	N/A	Electronic version of the school directory would be provided on METNET.
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
	\$10,000	\$155,000	\$149,00 0	\$5,000	\$319,000
All systems run on standard Pentium PCs.	N/A. Existing systems are used.	Two standard voice- grade lines for METNET expan-sion.	2	N/A	Public access through the METNET system.

Project	Emerging	Project
Description	Technology	Type

Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
\$76,000	\$14,000		\$140,00 0	\$20,000	\$290,000 <sup>G</sup>

 $<sup>^{\</sup>rm G}\,$  This total includes \$40,000 for operating expenses.

New<br/>HardwareNew<br/>SoftwareTelecommunicat<br/>ion<br/>ImpactNew<br/>FTEsStatutory<br/>ChangesAllows<br/>Public<br/>Access?

## DEPARTMENT OF PUBLIC HEALTH AND HUMAN SERVICES (DPHHS)

PROJECT 1 EBT process Stamp and V issuance and costs of proc	which will WIC benefits d redemptio	utilize s s. The g n procee	ma oal dui	rt ca ls ar res, i	ard e to imp	teck stre	nnole eam e sec	ogy lin cur	y to o	deli e b	iver ene	Food fit	d			ЕВТ	Application Development	X
																	Hardware	X
																	Software	X
Platform Typ	oe .		Ir	nple	mei	ntat	ion S	Scł	hedu	ıle							Networking	X
Mainframe	Mid-Tier	PC	]	FY97	7	FY	98	I	FY99	9	FY	700		FYO	)1		Training	X
X	X	X															Other	
<b>PROJECT 2</b> through the department the amount project will i	use of Inter web site tha of time requ	/Intrane at will im aired to o	et e npr det	enab ove	led acc	app ess	lica to se	tio erv	ns, a	a vi an	irtua d re	al educe	е			Inter/Intranet	Application Development	Х
																	Hardware	X
																	Software	X
Platform Typ	oe e		Ir	nple	mei	ntat	ion S	Scł	hedu	ıle							Networking	X
Mainframe	Mid-Tier	PC	]	FY97	7	FY	98	I	FY99	9	FY	'00		FYO	)1		Training	Х
X	X	X															Other	
PROJECT 3 Managemen	t and Imagii	ng Syste	m	to u	tiliz	ze st	ate-	of-	the-	art	tec	hnol	og	У		Imaging; document management.	Application Development	X
																	Hardware	X
																	Software	X
Platform Typ	oe .		Ir	nple	mei	ntat	ion S	Scł	hedu	ıle							Networking	X
Mainframe	Mid-Tier	PC	]	FY97	7	FY	98	I	FY99	9	FY	700		FYO	)1		Training	Х
Unknown																	Other	

N/A	N/A	N/A	N/A		
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
					\$2,000,000 H
	T	<u> </u>			
N/A	N/A	N/A	N/A		
Estimated Project Costs (in	n dollars)	,			
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
	Ī	I		T	
This project is in the planning stages. Hardware requirements have not been determined.	This project is in the planning stages. Soft-ware requirements have not been determined.	N/A	N/A		
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL

 $<sup>^{\</sup>rm H}\,$  This total represents the implementation and pilot.

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact			Access?

#### DEPARTMENT OF PUBLIC SERVICE REGULATION

public acces	<b>PROJECT 1</b> — Expand telecommunications capabilities to improve public access to information. These capabilities may include the use of the Inter/Intranet systems.						Inter/Intranet	Application Development	X	
									Hardware	
									Software	
Platform Typ	oe .		Impleme	entation S	Schedule				Networking	X
Mainframe	Mainframe Mid-Tier PC FY97 FY98 FY99 FY00 FY01						Training			
	X X							Other		

Project	Emerging	Project
Description	Technology	Туре

Not yet determined.	Not yet determined.	Improved Internet connec-tivity (increased band- width) and more reliable connection to the Internet.	None	N/A	Public access to data now provided by direct staff contact or by mass mailings.
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact			Access?

## DEPARTMENT OF REVENUE (DOR)

Property Tax have been re	<b>PROJECT 1</b> — Property Tax. This project is a modernization of the Property Tax System. An RFI has been submitted, and the results have been returned. The next phase will be to distribute an RFP, based on information obtained from the RFI, to acquire the necessary services.								Pen-based (data collection) systems.	Application Development	Х	
								Hardware				
											Software	
Platform Type Implementation Schedule						Networking						
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY	00	FYC	1		Training	
	X										Other	
<b>PROJECT 2</b> — UI/ DOR Project. DOR and Department of Labor have created a partnership whereby employer-related functions will be consolidated and streamlined within the two agencies, reducing the compliance burden on employers and resulting in savings of time and money.							Oracle client/ server relational database; possibly imaging.	Application Development	X			
											Hardware	Х
											Software	Х
Platform Typ	oe e		Impleme	entation S	Schedul	e					Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY	00	FYC	1		Training	
Х	X										Other	
PROJECT 3 Center. Plar center for re	nning and in	nplemer	ntation of							Imaging; scan- ning; workflow; and client/server.	Application Development	X
											Hardware	X
											Software	X
Platform Typ	pe		Impleme	entation S	Schedul	e					Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY	00	FYC	1		Training	
	X	X									Other	

Project	Emerging	Project
Description	Technology	Type

receive data into DOR 's information processing systems by using the telephone. Data types include, but are not limited to, tax returns and							Interactive Voice Response; Elec- tronic Funds Transfer.	Application Development	X	
									Hardware	
									Software	
Platform Typ	oe .		Impleme	entation S	Schedule				Networking	
Mainframe	Mid-Tier PC FY97 FY98 FY99 FY00 FY01					Training				
x						Other				

New Hardware	New Software	Telecommunicat ion	New FTEs	Statutory Changes	Allows Public
Hardware	Software		TILS	Changes	
		l Impact			Access?

Replacement of the AS400.	Project will be contracted; proposed software probably a client/server relational database.	Database may be distri-buted across all platforms. Pen-based data collection devices and client/server.	None	None	Inquiry for the public is provided by terminals located in county offices.				
Estimated Project Costs (in dollars)									
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL				
					\$4,047,000				
If mainframe is used, ISD's System A would be required. If mid-tier, probably a mid-tier server.	Oracle relational database client/server.	Possible IVR. Database may be spread across platforms. If mid-tier, SummitNet involvement.		Will harmonize UI tax laws with OFLT and Withholding tax laws.	Unknown at this time.				
Estimated Project Costs (ir	n dollars)								
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL				
					\$2,570,514				
No.	Ño.	Yes, due to client/server.		Unknown.	Where possible.				
Estimated Project Costs (ir	n dollars)								
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL				
					\$7,500,000				
Hardware will be provided and kept at the vendor's site.	Vendor software that will allow the use of tele-phones for submission of short- form tax returns.	This is an interactive voice communication with the user.	None	None	Taxpayers will be filing their tax returns using the telephone.				
Estimated Project Costs (in	n dollars)								

Project	Emerging	Project
Description	Technology	Type

Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
		\$310,000			\$310,000

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		Ü	Access?

systems will be redesigned. Technologies such as imaging, workflow processes, and electronic commerce will be incorporated to meet future business needs.							EC, imaging, IVR, client/server database, scan- ning, and Internet.	Application Development	X	
									Hardware	X
									Software	X
Platform Typ	ре		Implem	entation S	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
X	x x							Other		

Project	Emerging	Project
Description	Technology	Type

Mid-tier addition to mainframe.	Client/server database.	IVR for inquiry and also filing tax returns. Imaging for workflow over SummitNet.	None	None	None
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
					\$9,915,000

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		O	Access?

## SECRETARY OF STATE

												Т		1	
PROJECT 1 — Integrate existing and new election data and information services into a Voter Information Services Assistance Program component of the client/ server OPPEN system. Includes consideration of adding GIS capabilities and the use of Internet, etc., to increase public access to data and services.								Internet; GIS, desktop mapping; imaging?; voice/data integration?; doc. man.; dial-in LAN access.	Application Development	X					
													Hardware	?	
									Software	?					
Platform Typ	ре		Imp	leme	entation	Sched	lule						Networking		
Mainframe	Mid-Tier	PC	FY	97	FY98	FYS	99	FYOO	)	F	01		Training		
	X	X											Other		
and paymer incorporate												further analysis and planning are completed.	Hardware		
													Software		
Platform Typ	oe .		Imp	leme	entation	Sched	lule						Networking		
Mainframe	Mid-Tier	PC	FY97 FY98		FY97		FY98	FY9	99	FY00 FY01		01		Training	
	X												Other		
PROJECT 3 — Reengineer the current hardcopy-based process for submitting, reviewing, updating, and publishing the Montana Administrative Register (MAR) and Administrative Rules of Montana (ARM). The foundation of the process is expected to be a text database and may include imaging capabilities.									ì	Not known until further analysis and planning are completed.	Application Development	X			
(ARM). The			ing c	apar	mues.										
(ARM). The			ing c	apar	omues.								Hardware	?	
(ARM). The			ing c	apar	onities.								Hardware Software	?	
(ARM). The	d may inclu				entation	Sched	lule								
(ARM). The database an	d may inclu			leme		Sched FY9	П	FYOO	)	F	·'01		Software		

Project	Emerging	Project
Description	Technology	Type

Corporations com-ponent of the client/server OPPEN system. Either begin systems development of the OPPEN/Corporations subsystem or						Not known until further analysis and planning are completed.	Application Development	X		
									Hardware	
									Software	
Platform Typ	oe		Implem	entation S	Schedule				Networking	
Mainframe	Mid-Tier	PC FY97 FY98 FY99 FY00 FY01		FY01		Training				
	Х								Other	

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact			Access?

Not known until further analysis and planning are completed.	Not known until further analysis and planning are completed.	Not known until further analysis and planning are completed.	None	Election, voter reg., and dist. apportionment are being reviewed.	Public access may be provided through the Internet.		
Estimated Project Costs (in	n dollars)						
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL		
					Unknown		
Not known until further analysis and planning are completed.	Not known until further analysis and planning are completed.	Not known until further analysis and planning are completed.	None	Not known until further analysis and planning are completed.	Not known until further analysis and planning are completed.		
Estimated Project Costs (in dollars)							
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL		
					Unknown		
Not known until further analysis and planning are completed.	Not known until further analysis and planning are completed.	Not known until further analysis and planning are completed.	None	Not known until further analysis and planning are completed.	Not known until further analysis and planning are completed.		
Estimated Project Costs (in	n dollars)						
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL		
					Unknown		
Not known until further analysis and planning are completed.	Not known until further analysis and planning are completed.	Not known until further analysis and planning are completed.	None	Not known until further analysis and planning are completed.	Not known until further analysis and planning are completed.		
Estimated Project Costs (in	n dollars)						

Project	Emerging	Project	
Description	Technology	Туре	

Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
					Unknown

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		Ö	Access?

## MONTANA STATE LIBRARY

PROJECT 1 Talking Bool existing netv	ks Program,	enablin	g t	his	sy	ster	n to	b be	e i	nteg	gra	ted	in	to t	he	,		Potentially, patrons will be able to request materials on-line via the Internet.	Application Development	
																			Hardware	
																			Software	Х
Platform Typ	oe .		Ir	mplementation Schedule									Networking							
Mainframe	Mid-Tier	PC		FY9	7	F	Y98	8	]	FY9	9	F	ΥC	00	]	FYC	)1		Training	
		X																	Other	
associated C	<b>PROJECT 2</b> — Integration of CD-ROM tower and integration of associated CD products into LAN/Novell 4.x environment in Statewide Library Resources.											Potentially, patrons will be able to request materials on-line via the Internet.	Application Development							
																			Hardware	Х
																			Software	Х
Platform Typ	oe .		Ir	nple	m	enta	atio	n S	Scl	hedı	ıle								Networking	X
Mainframe	Mid-Tier	PC	]	FY9	7	F	Y98	3	]	FY9	9	F	ΥC	00	]	FYC	)1		Training	
	X	X																	Other	
<b>PROJECT 3</b> periodical da academic, as currently be	atabases for nd agency li	Montan braries,	a l	Libr	ari	es,	plu	s p	ul	blic,	sc	hoc	ol,					Patrons and libraries will be able to access materials on-line via the Internet.	Application Development	
																			Hardware	
																			Software	
Platform Typ	latform Type Implementation Schedule											Networking	Х							
Mainframe	Mid-Tier	PC		FY9	7	F	Y98	3	]	FY9	9	F	ΥC	00		FYC	)1		Training	
	Х	X																	Other	

Project	Emerging	Project
Description	Technology	Туре

	Resources automated online catalog via the State Library Web page.									Patrons will be able to access the Library catalog via WWW browsers.	Application Development						
													Hardware	X			
																Software	X
Platform Typ	oe .		In	nple	me	nta	tion	Scl	hec	lule	:					Networking	X
Mainframe	Mainframe Mid-Tier PC FY97 FY98 FY99 FY00 FY01								1		Training						
X X										Other							

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		Ö	Access?

Additional memory and disk space for current server.	Unknown at this time.	Potentially, patrons will be able to request materials on-line via the Internet.	None	None	Patrons will be able to request materials on-line via the Internet.						
Estimated Project Costs (in	n dollars)										
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL						
CD-ROM server and towers.	Unknown at this time.	Potentially, patrons will be able to request materials on-line via the Internet.	None	None	Patrons will be able to request materials on-line via the Internet.						
Estimated Project Costs (in dollars)											
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL						
None	None	Patrons and libraries will be able to access the materials on-line via the Internet.	None	None	Patrons and libraries will be able to access materials on-line via the Internet.						
Estimated Project Costs (in	n dollars)										
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL						
Additional memory and disk space for Library Automation System server.	Software to maintain the public access catalog in an HTML format.	Patrons will be able to access the Library catalog via WWW browsers.	None	None	Patrons will be able to access the Library catalog via WWW browsers.						
Estimated Project Costs (in dollars)											
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL						

Proje Descri	ect ption	T	Emerging Technology	Project Type	

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact			Access?

## DEPARTMENT OF TRANSPORTATION (MDT)

<b>PROJECT 1</b> production a								Imaging — digital images inte- grated with GPS and field data collection.	Application Development	X
									Hardware	
									Software	
Platform Typ	oe .		Implem	entation	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
	X	X							Other	
<b>PROJECT 2</b> cooperation integrating a	with Lockhe	eed Corp	o. Also, s	et the dir	rection for	r	k.	EDI; motor carrier weigh-in- motion; data warehous-ing; and addi-tional IV/HS, such as AVC.	Application Development	X
									Hardware	Х
									Software	
Platform Typ	oe .	form Type Implementation Schedule								X
Mainframe			Implem	entation	Schedule				Networking	X
	Mid-Tier	PC	Implem FY97	FY98	Schedule FY99	FY00	FY01		Networking Training	
X	Mid-Tier X	PC X					FY01			Х
	X — Explore of ronic funds apand MDT's contractor-bi	x opportur transfer s use of id-letting	FY97  nities to u (EFT), te	FY98  use electrelefiling, anet for sulls and of	FY99  ronic data and other uch thing ther elections	FY00  a intercharelectron	ange	EDI; EFT; Telefiling; Internet.	Training	Х
PROJECT 3 (EDI), electiservices. Exprocessing of	X — Explore of ronic funds apand MDT's contractor-bi	x opportur transfer s use of id-letting	FY97  nities to u (EFT), te	FY98  use electrelefiling, anet for sulls and of	FY99  ronic data and other uch thing ther elections	FY00  a intercharelectron	ange	Telefiling;	Training Other	X X
PROJECT 3 (EDI), electiservices. Exprocessing of	X — Explore of ronic funds apand MDT's contractor-bi	x opportur transfer s use of id-letting	FY97  nities to u (EFT), te	FY98  use electrelefiling, anet for sulls and of	FY99  ronic data and other uch thing ther elections	FY00  a intercharelectron	ange	Telefiling;	Training Other Application Development	X X
PROJECT 3 (EDI), electiservices. Exprocessing of	X  E — Explore of the contractor of the contract	x opportur transfer s use of id-letting	FY97 mities to u (EFT), te the Inter g materia MDT info	FY98  use electrelefiling, anet for sulls and otrmation;	FY99  ronic data and other uch thing ther elections	FY00  a intercha electron s as	ange	Telefiling;	Training Other  Application Development  Hardware	X X
PROJECT 3 (EDI), electiservices. Exprocessing commerce; p	X  E — Explore of the contractor of the contract	x opportur transfer s use of id-letting	FY97 mities to u (EFT), te the Inter g materia MDT info	FY98  use electrelefiling, anet for sulls and otrmation;	ronic data and other uch thing ther electretc.	FY00  a intercha electron s as	ange	Telefiling;	Training Other  Application Development  Hardware  Software	X X

Project	Emerging	Project	
Description	Technology	Type	

<b>PROJECT 4</b> related prod GPS supportumber of g	uct and inte	egrate to on and p	MDT's a	erial map ig tool tha		ASCOT	Application Development	Х		
							Hardware			
									Software	
Platform Typ	oe .		Implem	entation S	Schedule				Networking	
Mainframe	Mainframe Mid-Tier PC FY97 FY98 FY99 FY00 FY0								Training	
		Х					Other			

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		o o	Access?

Digital Alpha 2100 server; clients are Pentium PCs.	Oracle Database Oracle Developer 2000 ARCinfo Arcview 3	Using SummitNet and Internet.	None	N/A	Ultimately hope to offer public access to this information via the Internet.							
Estimated Project Costs (ir	Estimated Project Costs (in dollars)											
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL							
N/A	\$40,000	\$75,000	\$0	Internal	\$115,000							
An international system using many technologies is being developed.	UNIX, NT, MVS, VMS, OS400, etc.	Using SummitNet and Internet plus AAMVAnet.	None	N/A	N/A							
Estimated Project Costs (in dollars)												
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL							
\$500,000	\$200,000	\$1,600,000	\$80,000	\$40,000	\$2,420,000							
Servers will be used; addi-tional storage space will be procured. Gateway hard-ware & provider connections.	Web servers in Oracle. Gateway software for EDI/EFT.	Internet. EDI/EFT standards.	None	Work within the current law re-garding electronic signatures, etc.	Through use of the Internet server, with integration to database systems.							
Estimated Project Costs (ir	n dollars)											
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL							
	\$80,000	\$200,000	\$0	\$20,000	\$300,000							
PC, GPS receiver, navigation screen.	Flight planning software, navigation software, GPS post referencing software.	N/A	None	N/A	N/A							
Estimated Project Costs (ir	n dollars)											

Project	Emerging	Project
Description	Technology	Type

Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
\$20,000	\$30,000		\$0	Inc. in other costs.	\$50,000

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact			Access?

PROJECT 5 Systems and				t of the IS	Imaging and GIS integration.	Application Development	X			
						Hardware				
									Software	
Platform Typ	ре		Impleme	entation S	Schedule				Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	
	X	X				Other				

Project	Emerging	Project
Description	Technology	Type

Increase server capacity.	Oracle based.	Replicate data servers between Headquarters and district/area offices.	None	N/A	N/A
Estimated Project Costs (in	n dollars)				
Hardware	Hardware Software		FTEs	Assoc. Training	TOTAL
\$100,000	\$40,000	\$400,000	\$0	\$40,000	\$580,000

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		Ö	Access?

## MONTANA STATE UNIVERSITY (MSU)

systems or r platform; see	PROJECT 1 — Replace current Bozeman administrative information systems or migrate those systems to a Unix based, client/server based platform; seek a system that would provide a common platform for the MSU system.										1 V 1 I 1	Client/server system imple- mentation; work-flow manage-ment; ousiness process re- engineering.	Application Development	X					
																		Hardware	X
																		Software	X
Platform Type Implementation Schedule										Networking									
Mainframe	Iainframe         Mid-Tier         PC         FY97         FY98         FY99         FY00         FY01								Training										
	X	X																Other	
convert clier need for eith (e.g., voice+c	ner speed of	connect	ion	or n	eed	for	gre	at	ter fu	and	ctic	nnal	ity			t I I I I I I	communica- cions echnologies; LANE protocols for LAN emulation over ATM; dis-tance earning; voice/data/video ntegration and whiteboard nter- actions.	Hardware	X
																		Software	X
Platform Typ	oe l		In	nplen	nen	tati	on S	Sc	hedu	ıle								Networking	X
Mainframe	frame Mid-Tier PC FY97 FY98 FY99 FY00 FY0							Y01			Training	X							
																		Other	

PROJECT 3 modern syst		the curr	ent libra	Likely client/ server-based system; enhanced support for distance learning; imaging and document management (full-text databases).	Application Development					
									Hardware	X
									Software	X
Platform Typ	e		Implem	entation S	Schedul	e			Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	X
	X	X							Other	
<b>PROJECT 4</b> desktop com system, cale	puter syste	ms: file	/print se	rvice, sta				Client/server systems; docu- ment manage- ment; EDI.	Application Development	
									Hardware	X
									Software	Х
Platform Typ	oe		Implem	entation S	Schedul	e			Networking	
Mainframe	Mid-Tier	PC	FY97	FY98	FY99	FY00	FY01		Training	X
	X	Х							Other	

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		Q	Access?

Mid-tier Unix systems; PC clients are likely already in place; networking system is in place.	Yet to be determined.	None identified.	Unknow n but no long- term increase	None apparent.	Most systems would not be public ac-cessible because of privacy regulations.							
Estimated Project Costs (in dollars)												
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL							
					Unknown							
	l	Ι	1									
Not yet determined.	Not yet determined.	Would benefit from state-wide adoption of ATM telephone com. systems and from ATM-based In-ternet connection.	No ongoing impact.	None yet identified.	Develops the on- campus infrastruc-ture in anticipation of wide-spread availa-bility state-wide.							
Estimated Project Costs (in	n dollars)											
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL							
					Unknown							
Not yet determined. Not yet determined.		None identified.	No on- going impact.	None	Providing enhanced public access is key to the success of this project.							
Estimated Project Costs (in	n dollars)											
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL							
					Unknown							

Project	Emerging	Project
Description	Technology	Type

Not yet determined; likely to be mid-tier equipment capable of running Unix or Windows NT.	Unknown; likely use of Microsoft Exchange, a variety of e-mail clients, Microsoft Scheduler Plus for calendaring, etc.	None	None	None	N/A
Estimated Project Costs (in	n dollars)				
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL
					Unknown

New	New	Telecommunicat	New	Statutory	Allows
Hardware	Software	ion	FTEs	Changes	Public
		Impact		Q	Access?

understanding of the level of student access to and use of technology tools and then support the implementation of the resulting plans.						Possible: imaging, doc. manage-ment, wireless LANs, mobile computing, multi-media, voice/ data/video inte- gration, distance learning, dial-in access.	Application Development  Hardware  Software	X		
Platform Type Implementation Schedule							Networking	X		
Mainframe	Mid-Tier	PC	FY97 FY98 FY99 FY00 FY01			FY01		Training	Х	
		X							Other	

Project	Emerging	Project
Description	Technology	Type

Too early to specify.	Too early to specify.	Too early to specify.	Too early to specify.	None identified.	N/A		
Estimated Project Costs (in dollars)							
Hardware	Software	Contracted Services	FTEs	Assoc. Training	TOTAL		
					Unknown		